

- 1. An isolated nucleic acid regulatory sequence for a cyclin D1 promoter, said regulatory sequence characterized by the ability to regulate expression of a gene operably linked to a cyclin D1 promoter containing said regulatory sequence.
- 2. The regulatory promoter sequence of claim 1, wherein said sequence is selected from the group consisting of SEQ ID NO.:5, SEQ ID NO.:6 and SEQ ID NO.:8.
 - 3. An isolated nucleic acid regulatory sequence for a CD40L promoter, said regulatory sequence characterized by the ability to regulate expression of a gene operably linked to a CD40L promoter containing said regulatory sequence.
 - 4. The regulatory promoter sequence of claim 3, wherein said sequence is selected from the group consisting of SEQ ID NO.:12, SEQ ID NO.:13, SEQ ID NO.:14 and SEQ ID NO.:15.
 - 5. An isolated nucleic acid regulatory sequence for an HBV promoter, said regulatory sequence characterized by the ability to regulate expression of a gene operably linked to an HBV promoter containing said regulatory sequence.
 - 6. The regulatory promoter sequence of claim 5 wherein said HBV promoter is a core, preS1 or X promoter.
 - 7. The regulatory promoter sequence of claim 6 wherein said sequence is the HBV core promoter sequence presented as SEQ ID NO.:20 or SEQ ID NO.:21.
 - 8. The regulatory promoter sequence of claim 6 wherein said sequence is the HBV preS1 promoter sequence presented as SEQ ID NO.:23 or SEQ ID NO.:24.
 - 9. The regulatory promoter sequence of claim 6 wherein said sequence is an HBV X promoter sequence selected from the group consisting of SEQ ID NO.:26, SEQ ID NO.:27 and SEQ ID NO.:28.

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- 10. An isolated nucleic acid regulatory sequence for a vancomycin-resistant enterococci (VRE) promoter, said regulatory sequence characterized by the ability to regulate expression of a gene operably linked to a VRE promoter containing said regulatory sequence.
- 11. The regulatory promoter sequence of claim 10 wherein said sequence is selected from the group consisting of SEQ ID NO.:32, SEQ ID NO.:33 and SEQ ID NO.:34.
- 12. An isolated nucleic acid regulatory sequence for an androgen receptor (AR) promoter, said regulatory sequence characterized by the ability to regulate expression of a gene operably linked to an AR promoter containing said regulatory sequence.
- 13. The regulatory promoter sequence of claim 12, wherein said sequence is selected from the group consisting of SEQ ID NO.:64, SEQ ID NO.:65 and SEQ ID NO.:66.
- 14. An isolated nucleic acid regulatory sequence for a HER2 promoter, said regulatory sequence characterized by the ability to regulate expression of a gene operably linked to a HER2 promoter containing said regulatory sequence.
- 15. The regulatory promoter sequence of claim 14, wherein said sequence is selected from the group consisting of SEQ ID NO.:70, SEQ ID NO.:71 and SEQ ID NO.:72.
- 16. An isolated nucleic acid regulatory sequence for a beta lactamase (Bla) promoter, said regulatory sequence characterized by the ability to regulate expression of a gene operably linked to a Bla promoter containing said regulatory sequence.
- 17. The regulatory promoter sequence of claim 16 wherein said sequence is the Bla promoter sequence presented as SEQ ID NO.77 or SEQ ID NO.78.
- 18. A vector comprising a promoter regulatory nucleic acid sequence of any one of claims 2, 4, 7, 8, 9, 11, 13, 15 and 17.

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- 19. The vector of claim 18, wherein said vector is an expression vector comprising (i) said promoter regulatory nucleic acid sequence operably linked to a promoter and control sequences recognized by a host cell transformed with the vector; and (ii) a transgene encoding an autologous or heterologous gene product.
 - 20. The vector of daim 19, wherein said transgene is a reporter gene.
 - 21. A host cell comprising the vector of claim 20.
 - 22. The host cell of claim 21, wherein said host cell is a prokaryotic cell.
 - 23. The host cell of claim 21, wherein said host cell is a eukaryotic cell.
 - 24. The host cell of claim 21, wherein said host cell is a mammalian cell.
 - 25. A method of regulating gene expression in a cell comprising
 - (i) introducing into a cell an expression vector according to claim 19,
- (ii) exposing said promoter regulatory sequence to a cellular factor or a DNA binding compound resulting in modulated expression of said transgene; and
 - (iii) detecting the expression thereof.